

**Appl. No. 10/645,497**

**Art Unit 3617**

**October 19, 2004**

**Reply to Office Action of July 27, 2004**

**AMENDMENTS TO THE SPECIFICATION**

***In the Specification:***

Please amend the present specification at page 1, lines 11-19, the paragraph appearing after "Description of the Related Art", as follows:

When a weight unbalance exists in an assembled structure of a tire and a wheel rim, the weight unbalance causes a vehicle vibration. is caused. Therefore, in order to reduce the weight unbalance mentioned above, it has been conventionally, generally carried out to assemble the tire in the wheel rim in a state of aligning a phase of an air valve position regarded as a heavy point of the wheel rim with a phase of a light point of the tire. Thus, it is possible to cancel a part of the weight unbalance, so that it is possible to reduce the gravity of the balance weight for correcting the weight unbalance in the assembled structure of the tire and the wheel rim.

Please amend the paragraph bridging pages 1-2 of the present specification as follows:

In view of such a circumstance, the present inventor has studied. conducted studies. As a result, the present inventor has found that the effect of canceling the weight unbalance can be enhanced and the gravity of the balance weight can be more reduced, by assembling the tire and the wheel rim while taking into consideration a Radial Runout (RRO) corresponding to an eccentricity of the wheel rim.

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Please amend page 3, lines 3-5 of the present specification as follows:

In order to achieve the object mentioned above, in accordance with a first aspect of the present invention, there is provided a method of assembling a tire and a wheel ~~rim, comprising the steps of:~~ rim that includes the following steps.

Please amend page 3, lines 6-13 of the present specification as follows:

A first step involves (1) determining a Radial Runout (RRO) value  $W_{rl}$  (unit: mm) in a primary component of the RRO of the wheel rim, a phase  $\theta_{rl}$  (unit: °) of a peak position thereof, an unbalance level  $W_{ub}$  (unit: g) of a heavy point in a weight unbalance of the wheel rim, a phase  $\theta_{ub}$  thereof (unit: °), a radial distance  $L$  (unit: mm) of a balance weight mounting position for correcting the weight unbalance from an axis center of the wheel rim, a weight  $T_t$  (unit: mm) of the tire, and a phase  $\alpha_t$  of a light point in the weight unbalance of the ~~tire;~~ tire.

Please amend page 3, lines 14-17 of the present specification as follows:

A second step involves: (2) determining a phase  $\theta_c$  of a correction unbalance  $W_c$  found by the following formula (1), by using the RRO value  $W_{rl}$ , the phase  $\theta_{rl}$ , the unbalance level  $W_{ub}$ , the phase  $\theta_{ub}$ , the distance

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L, the weight  $T_t$  and the phase  $\alpha_t$  determined in the preceding step; and  
step. Formula (1) is:

Please amend page 3, lines 20-22 of the present specification as follows:

A third step involves: (3) assembling the tire and the wheel rim in a state of aligning the phase  $\theta_c$  of the correction unbalance  $W_c$  with the phase  $\alpha_t$  of the light point of the tire.